

Title (en)

Secured surveillance and control device for an aircraft handling actuator

Title (de)

Gesicherte Vorrichtung zur Überwachung und Steuerung für ein Flugzeugsteuerung-stellglied

Title (fr)

Dispositif sécurisé de surveillance et de commande pour actionneur de pilotage d'un aéronef

Publication

EP 2293429 A3 20160302 (FR)

Application

EP 10174432 A 20100827

Priority

FR 0904272 A 20090908

Abstract (en)

[origin: EP2293429A2] The device (100) has a control module (120) delivering control and position signals of an actuator (110), determined according to control messages received from a flight control managing system of an aircraft. A monitoring module (130) delivers the position signals and receives the control messages. A position sensor (112) i.e. Hall effect sensor, provides information relative to rotational positioning of a rotor of a brushless electric motor (111). Position of the actuator is determined by the control module based on initial position data provided by the monitoring module.

IPC 8 full level

H02P 6/16 (2016.01); **B64C 13/18** (2006.01); **B64D 45/00** (2006.01)

CPC (source: EP US)

B64D 45/0005 (2013.01 - EP US); **H02P 6/16** (2013.01 - EP US)

Citation (search report)

- [Y] US 4095763 A 19780620 - BUILTA KENNETH E
- [Y] US 6791219 B1 20040914 - SEGER ERIC [US], et al
- [A] FR 2694822 A1 19940218 - HONEYWELL INC [US]
- [A] EP 1036734 A2 20000920 - INST ADV TECH HELICOPTER LTD [JP]

Cited by

FR2996084A1; FR3049075A1; US9477629B2; WO2017157653A1; US10571883B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2293429 A2 20110309; **EP 2293429 A3 20160302**; **EP 2293429 B1 20190227**; CA 2714354 A1 20110308; FR 2949921 A1 20110311; FR 2949921 B1 20130823; US 2011210210 A1 20110901; US 8604741 B2 20131210

DOCDB simple family (application)

EP 10174432 A 20100827; CA 2714354 A 20100908; FR 0904272 A 20090908; US 87465710 A 20100902